

16698 U.S. PTO  
09/10/03

Attorney Docket No. **003-49**  
First Inventor: **Brian Wilson Varney**  
Title: **HEAT EXCHANGER OPTIMIZATION PROCESS AND APPARATUS**

**UTILITY NONPROVISIONAL PATENT APPLICATION TRANSMITTAL**

TO:  
Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

03916 U.S. PTO  
10/658277  
09/10/03

Applicant encloses the following papers for the filing of a new nonprovisional patent application:

1. Fee Transmittal Form in duplicate.
2. Applicant claims small entity status.
3. Specification **48 pages**
  - Descriptive title of the invention
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings
  - Detailed Description
  - Claims
  - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) - **18 pages**
5. Oath or Declaration - **1 page - executed original**
6. Application Data Sheet . See 37 CFT 1.76
7. Return Receipt Postcard
8. **CORRESPONDENCE ADDRESS**

*Please direct correspondence to Customer no. 020212*

Name: **Anthony R. Lambert**  
Country: **Canada**  
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Signature: *Anthony Lambert*  
Registration No. **32,813**

Date: *Sep 9/03*

APPLICATION DATA SHEET UNDER 37 CFR 1.76

1. Inventor names, residences, mailing addresses and citizenship.

**Brian Wilson Varney**  
**11 Deerwood Rd. S.E.,**  
**Calgary, Alberta,**  
**T2J 6L2, Canada**  
**Citizenship: Canadian**

2. Correspondence address.

Anthony R. Lambert  
Customer no. 020212

3. Application Information

(a) Title of the Invention: **HEAT EXCHANGER OPTIMIZATION PROCESS  
AND APPARATUS**

(b) Suggested classification, if any.

Not known.

(c) Tech centre.

(d) Number of Drawing sheets - **18**

(e) Suggested Drawing for publication. – **Fig. 1**

(f) Attorney docket number. **003-49**

(g) Type of application

Nonprovisional utility.

4. Agent information.

Anthony R. Lambert  
Registration no. 32,813.

# PATENT APPLICATION FEE DETERMINATION RECORD

Application or Docket Number: 003-49

CLAIMS AS FILED - PART 1

FOR

BASIC FEE \$375.00

	<u>Claims</u> <u>Filed</u>	<u>Extra</u> <u>Claims</u>	<u>Full</u> <u>Rate</u>	<u>Small Entity</u> <u>Rate</u>	
Total Claims	29 - 20 = 9 x		\$18.00	\$ 9.00 =	\$ 81.00
Ind. Claims	3	- 3x	\$84.00	\$42.00 =	
Multiple Dep.		Flat Rate	\$280.00	\$140.00 =	

Total Fees = \$456.00

A cheque for \$456.00 is enclosed.

The Commissioner of Patents is authorized to charge, in this application, to deposit account no. 12-0434, any amount required to be paid by the applicant for any step taken by the applicant during the pendency of this application. Applicant requests that any future reply requiring a petition for extension of time for its timely submission be treated as incorporating a petition for extension of time for the appropriate length of time.

Respectfully submitted



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